

09760046-011201

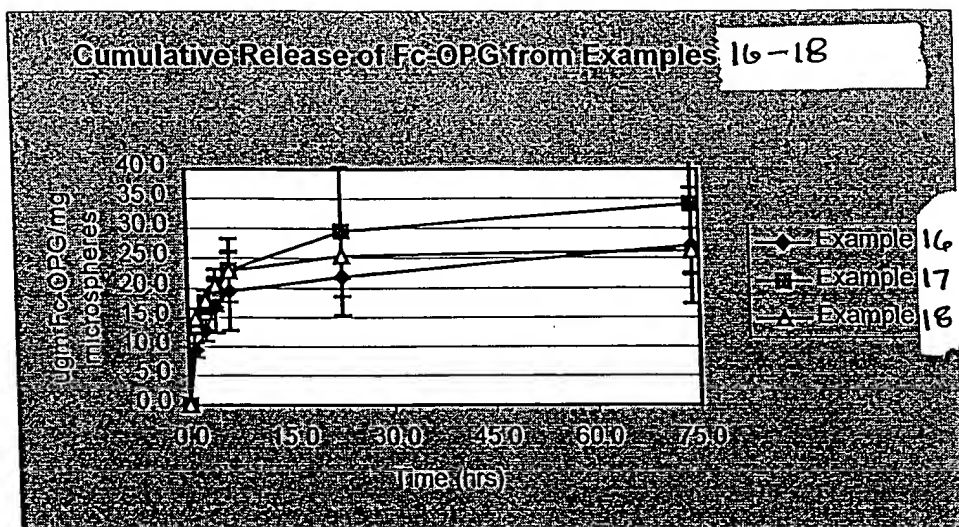


FIGURE 1a

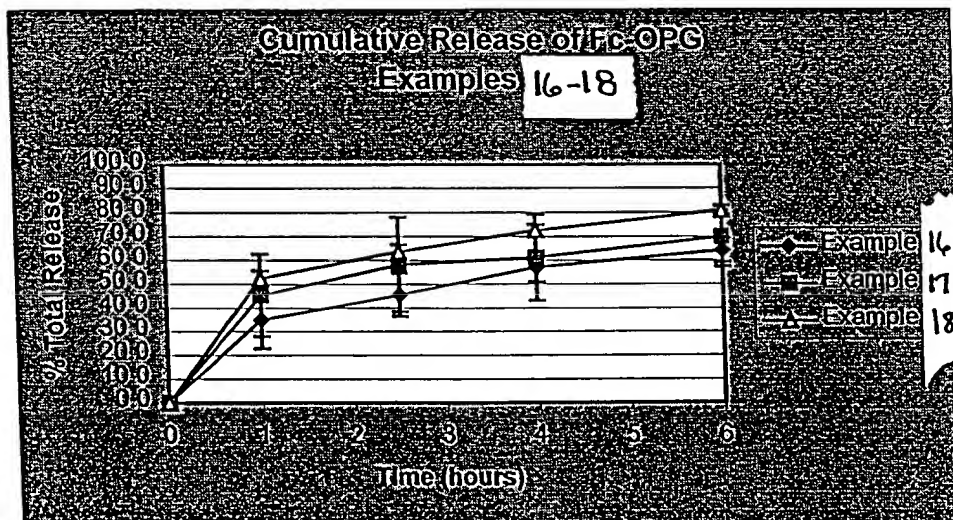


FIGURE 1b

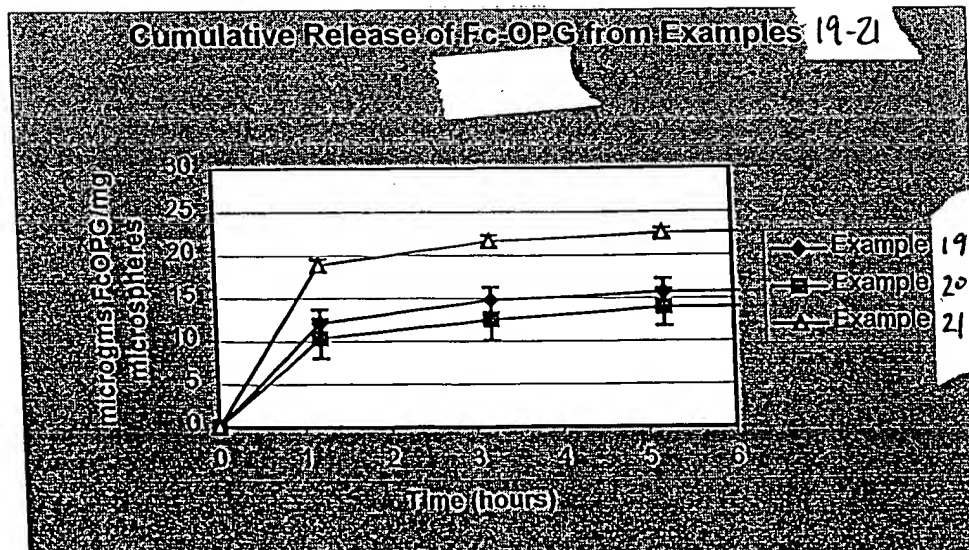


FIGURE 2a

09760046-013701

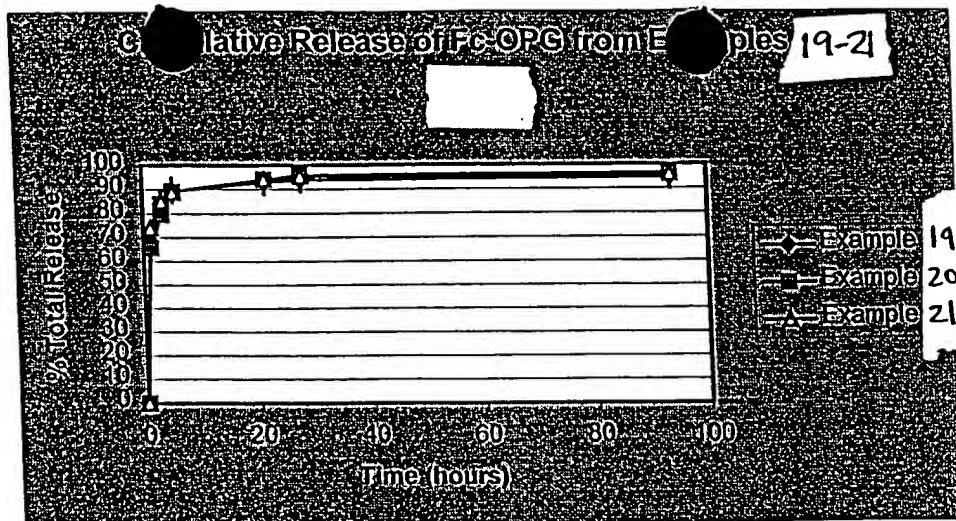


FIGURE 2b

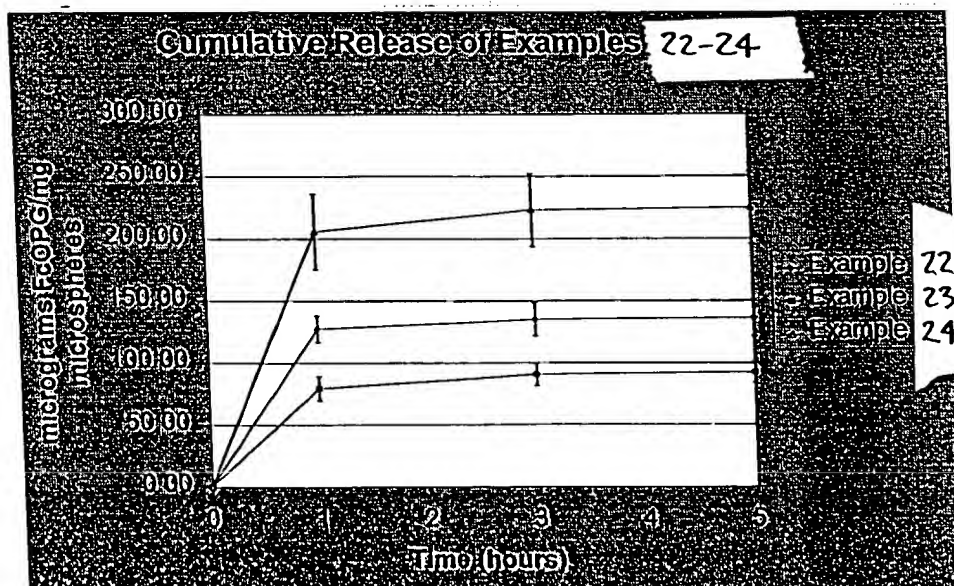


FIGURE 3a

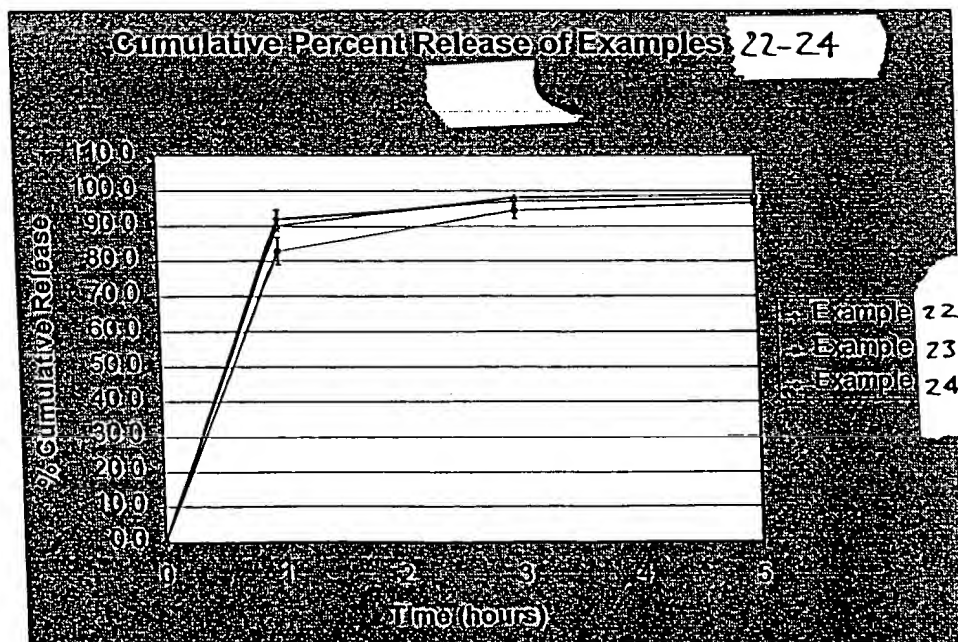


FIGURE 3b

0576046-011201

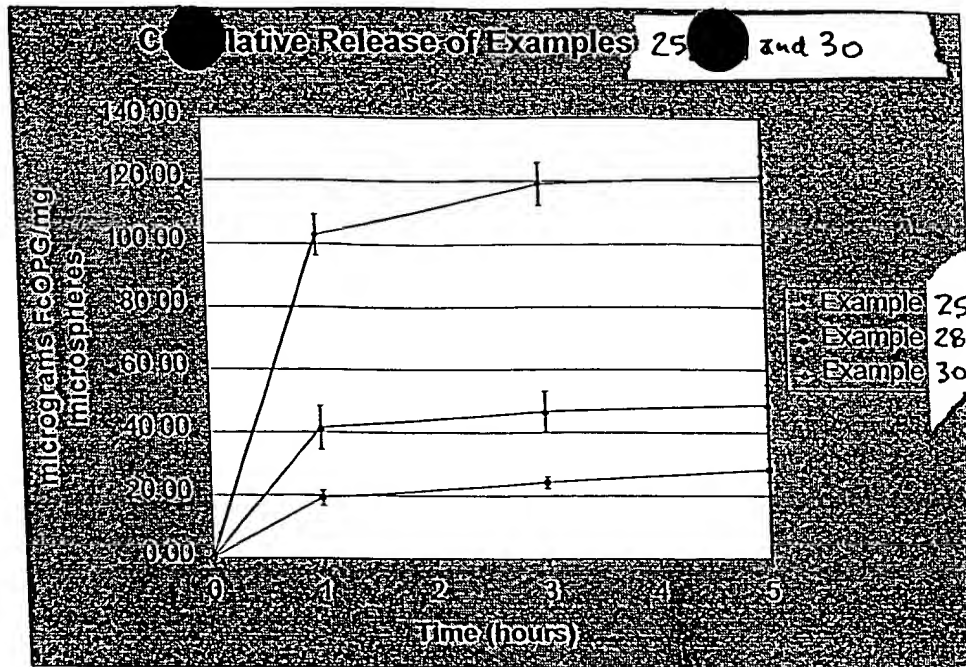


FIGURE 4a

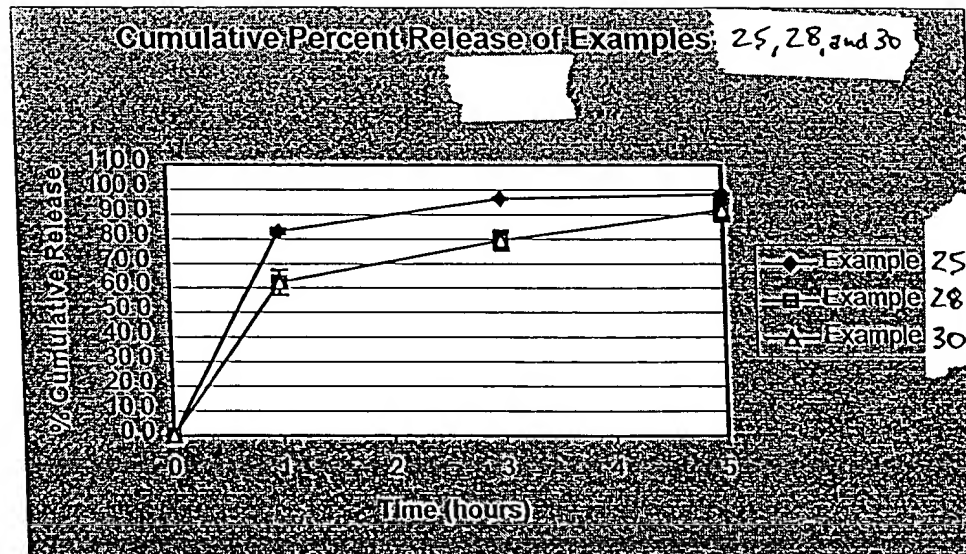
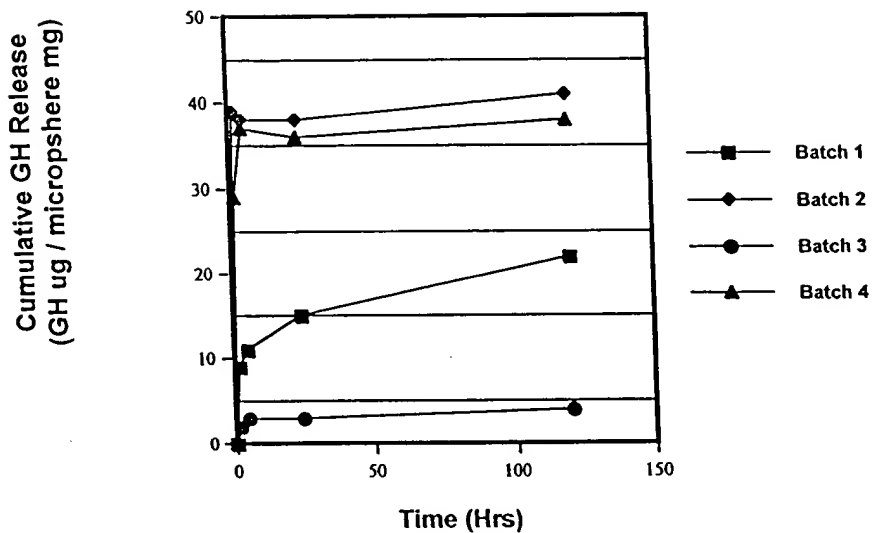


FIGURE 4b



Cumulative GH release profile of microspheres reconstituted at 50 mg/ml. Note that the theoretical GH loading for all four batches was 35.4 μ g per mg of microsphere.

FIGURE 5

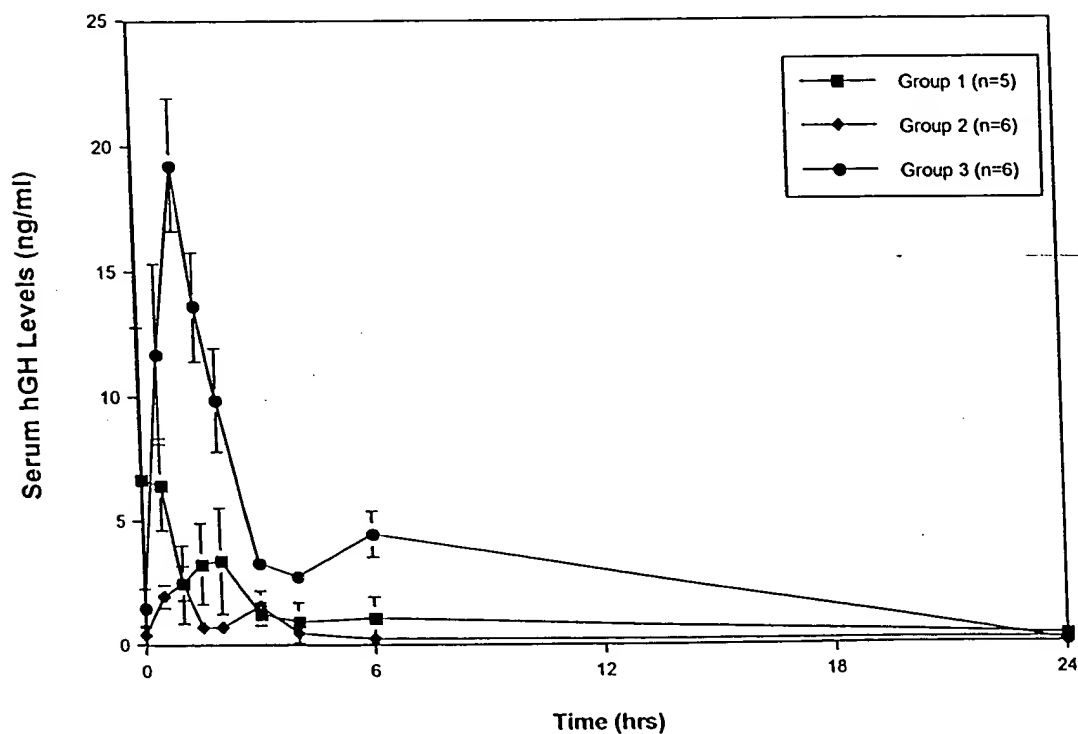


FIGURE 6

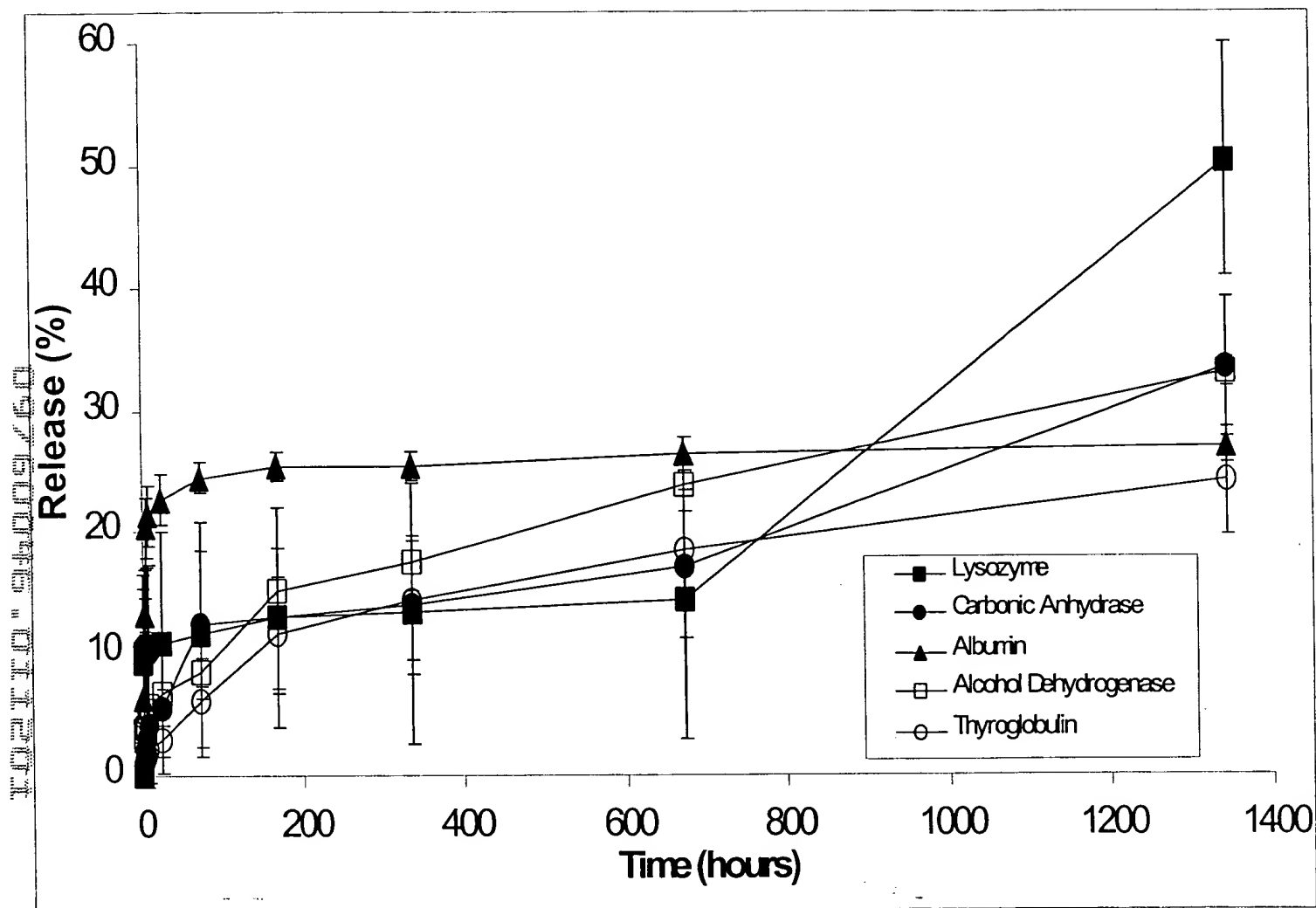


FIGURE 7

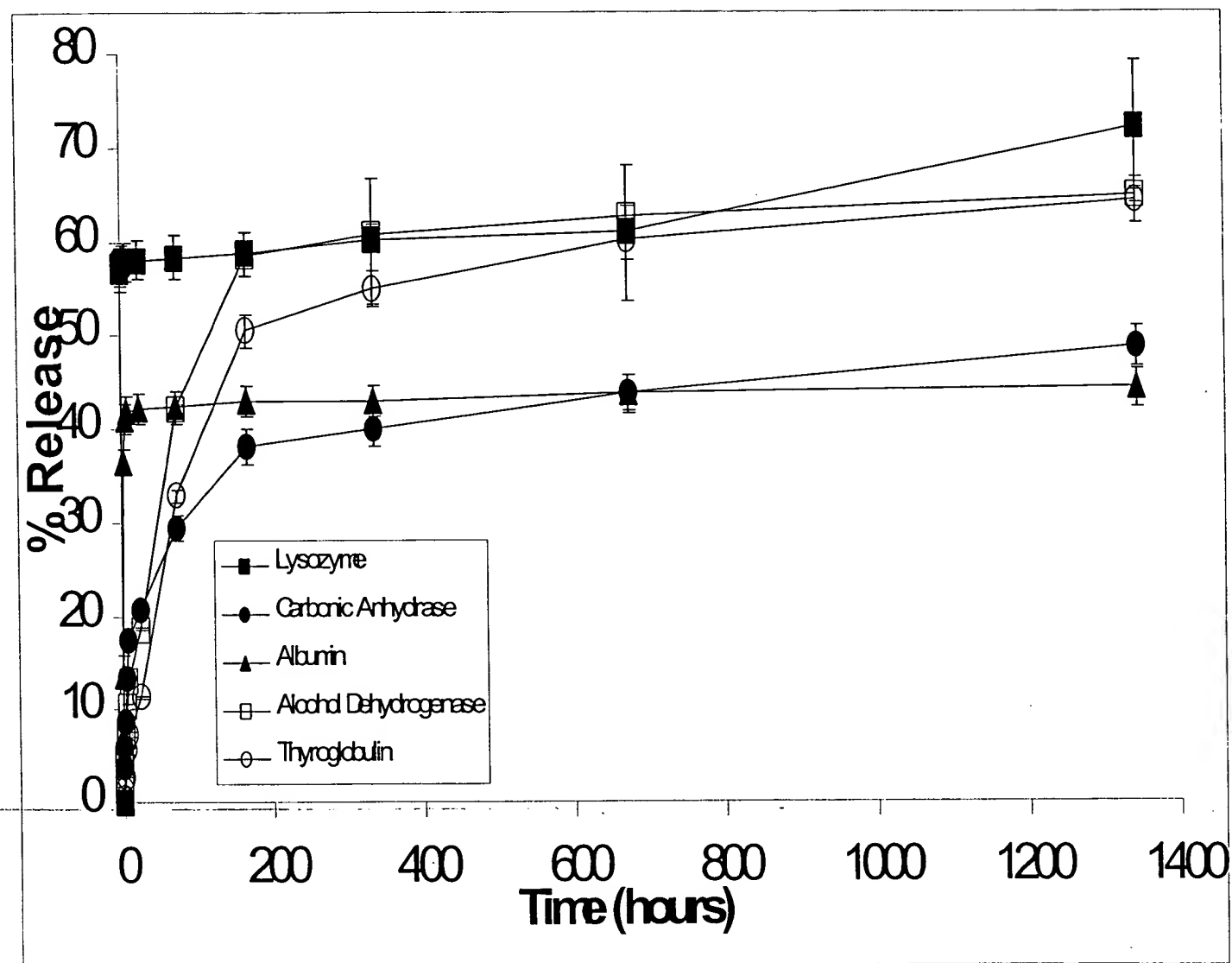


FIGURE 8

Figure 1 is a line graph showing the percentage of original molecular weight (% of Original Mw) versus time in hours (Time (hrs)) for various enzymes and control microspheres. The enzymes include Lysozyme, Carbonic Anhydrase, Albumin, Alcohol Dehydrogenase, and Thyroglobulin. The control is Control Microspheres. All enzymes show a rapid initial decrease in molecular weight, followed by a slower decline. The control microspheres maintain a higher percentage of original molecular weight over time.

Time (hrs)	Lysozyme	Carbonic Anhydrase	Albumin	Alcohol Dehydrogenase	Thyroglobulin	Control Microspheres
0	100	100	100	100	100	100
25	75	68	75	75	75	98
50	70	65	70	70	70	75
75	60	58	60	60	60	60
100	50	45	50	50	50	45
150	45	40	45	45	45	35
200	40	38	40	40	40	30
300	30	28	30	30	30	15
400	25	23	25	25	25	12
500	20	18	20	20	20	10
600	15	13	15	15	15	8
700	10	8	10	10	10	7
800	8	6	8	8	8	6
900	5	4	5	5	5	5
1000	3	2	3	3	3	4
1100	2	1	2	2	2	3
1200	1	0	1	1	1	2
1300	0	0	0	0	0	1

Time (hrs)	Lysozyme (%)	Carbonic Anhydrase (%)	Albumin (%)	Alcohol Dehydrogenase (%)	Thyroglobulin (%)	Control Microspheres (%)
0	100	100	100	100	100	100
100	95	98	98	98	98	95
150	90	95	95	95	95	90
200	85	92	92	92	92	85
320	70	75	75	75	75	62
500	45	40	40	40	40	33
660	25	15	35	32	14	15
840	10	5	15	10	8	6
1000	5	2	8	2	7	2
1160	3	1	4	1	3	1
1320	3	1	3	1	2	1

FIGURE 10